

The Oscillator

November 2003

The Club...wants to be instrumental in helping the prospective and established Amateur to become a proficient communicator in the Amateur Radio Service.

Oregon Tualatin Valley Amateur Radio Club

Est: 1978

KK7TN Paragraphs Don Stettler KK7TN



Being involved with OTVARC's leadership has made me aware of what a marvel our club is. There are several things

about the club that amaze me. First is that the club is involved in so many activities. The list is long but includes: SEAPAC®, Field Day; a scholarship program; VE testing; repeaters; community service; emergency service; technician classes; and, the monthly *OSCILLATOR*. Another thing that amazes me is that club members willingly step forward to execute these activities,

some of which are extremely time consuming with huge responsibilities. It is the membership involvement that makes OTVARC special and effective in our community.

Despite all that the club does, there is one position has gone wanting for several years. Although it has been mentioned several times, no one has stepped forward to be responsible for club badge and jacket program. The consequence of this is that many newer members, including myself, have not been able to obtain the club paraphernalia so we can sport the club colors. I have speculated as to why someone has not offered to

take on this seemingly low input job. Could it be that we ham types just don't have interest in taking the lead this sort of thing? Or could it be that the club badge and jacket need updated so it is more attractive and easier to sell to the membership?

To be honest, I have never been enthralled with our club logo, OLLIE. My first impression was that it was an obese insect sunning under a palm tree. Of course, closer inspection reveals it is a Morse code bug, transmitting under an antenna tower.

See PARAGRAPHS, P. 2

OTVARC SPOTLIGHT:

Events

- Election of Club Officers November
- Turkey-Ham Feed November 22nd
- Annual Holiday Dinner December 10
- Fifth Wednesday Contest December 31

In This Issue:

KK7TN Paragraphs	1
SNOTEL: Meteor Burst Comms	2
Help: Santa Claus Parade	2
Club Events	2
Field Day 2003	3
Dues 101	3
Elections Update	4
VE News/Lunch Bunch	4
Cycles To Hertz	4
For Sale: Epson 740 Printer	4
ALERT EX '03	5
Are You An Active Member?	5
Royal Jaynes KB7STZ, SK	5
November Birthdays	6

THE PROGRAM -- Wednesday, November 12th

We meet Wednesday, November 12th. Club opens at 7:00 pm at the Beaverton Elks' Club, 3500 SW 104th Ave, Beaverton (One block north of Canyon Road). Our program will be presented by Bill Woolcock, an electronic technician with the USDA Natural Resources

Conservation Service's National Water and Climate Center in Portland He will tell us about SNOTEL and meteor burst communication.

Come early at 6:00 pm and get a no-host meal at the Elks' Buffet. Bring a friend to OTVARC.

SNOTEL: Meteor Burst Communications Applied

Bill Woolcock, an electronic technician with the USDA Natural Resources Conservation Service's (NRCS) National Water and Climate Center in Portland, has agreed to make a presentation to OTVARC on SNOTEL and meteor burst communication. Don Stettler worked in a related program at the National Water and Climate Center with responsibilities for measuring snow.

The National Center installs, operates, and maintains an extensive, automated system to collect snowpack and related climatic data in the Western United States. The system is called SNOTEL (for SNOWpack TELelemetry). It evolved from the Center's Congressional mandate in the 1930's "...to measure snowpack in the mountains of

the West and forecast the water supply."

The program began with manual measurements of snow courses. Since 1980, SNOTEL has reliably and efficiently collected data needed to produce water supply forecasts and to support the resource management activities of NRCS and others.

SNOTEL uses meteor burst communications technology to collect and communicate data in near-real-time. VHF radio signals are reflected at a steep angle off the ever present band of ionized meteorites existing from about 50 to 75 miles above the earth. Satellites are not involved.

NRCS in Portland operates and controls the entire system.

Paragraphs, from page 1

Perhaps, if I understood the history behind the logo I might have more appreciation for it. Perhaps, it would be a good time to consider a different logo for the club, one that would be more attractive and meaningful to people outside the hobby.

If you would be interested in taking the lead in revitalizing the club badge and jacket program, please let me know of your interest.

Wishing everyone a very Happy Thanksgiving.

Don
KK7TN

Once again, the organizers of the Santa Claus Parade in downtown Portland on Friday morning November 21st...that's the DAY AFTER THANKSGIVING. We need communication skills and capabilities to assist with the parade, 440 Hand-held needed. Call Jim Schaeffer KB7ADH at 503.245.2518 (home) or 503.226.5287 (work).

Club Events

Nov. 12: Club Meeting (7 pm)

Nov. 22: Turkey-Ham Feed

Nov. 25: Board Meeting (7 pm)

Dec. 10: Holiday Dinner Meeting (6 pm)

Dec. 31: Fifth Wednesday Contest (8 pm)

Jan. 14: Club Meeting (7 pm)

Jan. 28: Board Meeting (7 pm)

TRAVELERS' and HAMFests

Plan on attending the November 21-23 campout at Wandering Spirit, Grande Ronde. Travelers' need to make their reservation with the park (800.390.6980) and pay the first night fee. Be sure to tell them you are with OTVARC. Geno, KA7HBH needs to hear from you if you are attending, 503.614.0563.

The Turkey-Ham Feed, Saturday at 5:30 pm, is for all. Let Geno know that you are coming.

Nov. 8, 2003: Western Washington Hamfest

Mount Baker ARC
<http://www.qsl.net/k7skw/>
Al Norton, K7IEY
1008 Liberty Street
Lynden, WA 98264
360-354-4622
k7iey@netscape.net

Feb. 21, 2004: Rickreall

Salem Repeater Association
<http://www.qsl.net/w7sra/>
Denis Miller, WC7M
PO Box 17803
Salem, OR 97305
503-507-6523
wc7m@arrl.net

FIELD DAY 2003, Everett W6ABM

More than thirty-two thousand amateur radio operators participated in Field Day '03 as a part of more than two thousand groups. Participation in this year's event made it the third largest in our history. Stations reported operation from 79 of the 80 ARRL-RAC Sections, with only the northern territories of Canada missing from the filed reports. In addition, for the second year, international stations in North and South America were invited to participate. Logs were received from the Bahamas, Argentina, Brazil and from Palmer Station on Antarctica. An historic joint operation involving Cuban and US hams filed a report.

The most popular operation in 2003 was Class A (59%), with most of these operating two transmitters (2A). The new Class F operation accounted for about 8% of reporting groups. Class F stations are located in an Emergency Operations Center established by a governmental entity or served agency.

OTVARC operated as Class 2A in 2003 with seventy-one participants, the second highest participation in Oregon behind the Salem Amateur Radio Club with ninety-two persons involved. One of only two Class 2A stations in Oregon, the operation generated 263 contacts for a calculated score of 1,218. The club appreciates the efforts of everyone who contributed to the successful operation, and expresses thanks to J.D. Fort

K7JDF for his leadership.

Field Day is the single most important event of the amateur radio year in terms of demonstrating the emergency capacity of amateur radio. This aspect of our activity has taken on renewed significance with the events of 9/11 and the subsequent war on terror.

Plans are already underway for Field Day '04. J.D. will be announcing the site and operation plan soon.

Save June 26-27, 2004 to assure your participation.

DUES 101

Linda KC7YTD

Dues are payable in advance by January 1st of each year. A member is delinquent if dues are not received by January 31. Delinquent members are deleted from the membership list and lose all privileges and status as a member of the club.

Applicants for membership pay \$18 with their application (prorated during the year). Renewal dues are \$16 for 2004 and \$21 for household membership. Life membership is available. The one-time dues payment is based on your age when you apply. Ask me if you are interested in applying for life membership.

Full membership is open to all licensed amateur radio operators. Associate memberships are open to any person. Full membership includes all club privileges, including the rights to hold office and vote for club officers.

Associate members include all club privileges except the right to hold office and vote for club officers.

There are exceptions to dues paying. Members who are 70 years old or older on or before January 1 of the year for which they are paying dues and who have been members for two years are granted life membership without further consideration (meaning no more dues). Life members may contribute to the club if they wish.

Renewal notices are mailed in November. Please update your information with us at that time. You are welcome to ask the Secretary or Treasurer about the status of your membership.



Cycles to Hertz

Heinrich Rudolf Hertz proved that electricity can be transmitted in electromagnetic waves, which led to the development of wireless telegraph and the radio.

Hertz, Heinrich Rudolf (1857-1894), German physicist, born in Hamburg, and educated at the University of Berlin. From 1885 to 1889 he was a professor of physics at the technical

school in Karlsruhe and after 1889 a professor of physics at the University in Bonn. Hertz clarified and expanded the electromagnetic theory of light that had been put forth by the British physicist James Clerk Maxwell in 1884. Hertz proved that electricity can be transmitted in electromagnetic waves, which travel at the speed of light and which possess many other properties of light. Experiments with these electromagnetic waves led to the development of the wireless telegraph

and the radio. Those involved in electronics in the 1960's will remember that the unit of frequency measurement was Cycles Per Second. Scaled up, that was Kilocycles per Second or Megacycles per Second.

In the mid-60's, The world converted to frequency measurements in Hertz. Abbreviated, it is Hz. The change was to honor Heinrich Hertz.

VE News

Our next session is Saturday, **December 6th**, 1:00 pm at Ronler Acres Fire Station in Hillsboro (across from the stadium just off Evergreen Parkway).

Volunteer exam sessions are provided by VEs members of OTVARC as a service to the community. For more information contact Carl WS7L, at ws7l@arrl.net.

Lunch Bunch

In November, we'll join with The Travelers' for dinner together Wandering Spirit Campground in Grand Ronde on November 22nd at 5:30 pm. Be sure to let Geno, KA7HBH, know you are coming so there will be Turkey and Ham for all.

Come when you can, leave when you must. Talk in on 146.90 MHz.

WORLDWIDE DISTRIBUTION



Now purchasing select estates and used equipment on the spot.

Serving you:

Leon N7IXX, Manager

11705 SW Pacific Hwy (99W)
Portland OR 97223
503-598-0555 Fax: 503-684-0469
800-854-6046

Elections Update

The Elections Committee has prepared nominations for 2004 Club Officers and Trustees. They will report at the November 12th meeting. Nominations will be received from the floor for Officers and three trustees. Committee members are: Maureen O'Rourke KA7LAP; John Anderson KA7BRZ; and Claire Johnson N7CM. Note: Trustees who's terms are open for election are: Alvin Carlson KB7VHI; J.D. Fort, K7JDF; and Mel Sutton KB7PVW. Information printed in the October 2003 *OSCILLATOR* was incorrect. Ballots are due by December 10th.

Epson Printer For Sale

Looking for a printer for your station and office?

Al Berg has an Epson Stylus Color 740 that is looking for a new home. It has had less than two reams of paper through it.

It comes with new

ink cartridges. This printer was not used for three years. The ink dried up. If this isn't like new, what is?

Call Al and he will explain the details regarding the idle time.

Al Berg, W7SIC can be reached at 503.649.8908.

Today's price is \$ 75.00. New you'd have paid \$249.00!!!

This space provided as a club service of OTVARC.

ALERT EX '03: Simulated Emergency Test, by Craig KC7YOC

Congratulations to all who participated in any way in the state-wide ALERT EX '03 Simulated Emergency Test! It started off slow. I found no one on the 147.32 machine at the 10:20 am start. But, it was really hopping quickly!

Most significant to me as a success was that all active counties and served agencies in D1 were notified and activated within 50 minutes of the beginning of the exercise. The fact that this was a no-notice exercise on a Monday morning means we are well prepared to activate.

Many NETS and EOC's were activated. I would like to especially thank Hal, KC7ZZB, for activating and operating the D1 NET for the duration. He did his usual great job!

If you have any comments or logs regarding the no-notice SET please let your County

EC or Liaison to a Served Agency (i.e. the Red Cross) know. I am always happy to accept your comments.

Whether you were on frequency or just got contacted at work and could only acknowledge, everyone's participation was appreciated.

Again, congratulations to all.

73

Craig K. Marquette,
KC7YOC

Oregon Section
ARES/RACES
District 1 Emergency
Coordinator

[If you are not active in ARES/RACES, you should contact your County EC, Ben Johnson N7OGM (Washington County) at 503/649.2469 to learn more.]

A ARES/RACES session was held during the SWAP-toberfest at Rickreall October 25th. District 1 and Washington County were recognized for their performance during ALERT EX 03. Ernie Johnson, was singled out for his work in a variety of ways for ARES.

OTVARC congratulates ARES volunteers for their service to the community. You make ham radio proud.

ROYAL KB7STZ, SK

The editor has apologized to Darlyne Jaynes KB7STY, for including Royal in the October birthday list. Royal passed away April 8, 2003 after a two-month hospitalization. He was 79. He leaves his wife, 4 sons, 13 grandchildren, and 3 great grandchildren. Our prayers are with them.

ARE YOU AN ACTIVE MEMBER? Glen, N1MPT

Are you an active member... the kind that would be missed, or are you just content that your name is on the list?

Do you take an active part to help the organization along or are you satisfied being the kind to "just belong?"

There's quite a program

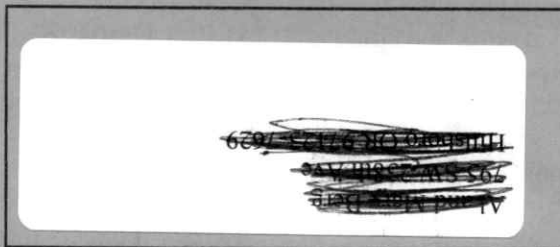
scheduled, that means success if done and it can be accomplished with the help of EVERYONE!

Do you attend the meetings and mingle with the crowd or do you stay at home and crab both long and loud? Do you ever go to visit a member who is sick or leave the work to just a few and talk about the clique?

So attend our meetings regularly and help with hand and heart. Don't be just a member but take an active part.

Think this over member... are we right or wrong? Are you an active member or do you **JUST BELONG?**

CLUB MEETING NOVEMBER 12TH



Web: WWW.OTVARC.ORG
w7otv@arrl.net
Simplex: 147.54 MHz
Repeaters: 146.96 MHz
440.350 MHz (127.3)
Editor: Everett W6ABM
wbabm@yahoo.com

Post Office Box 5132
Aloha OR 97006-0132
Email: w7otv@arrl.net

**Oregon Tualatin Valley
Amateur Radio Club**



CLUB INFORMATION

The Oregon Tualatin Valley Amateur Radio Club is a special service club related to ARRL: The National Association for Amateur Radio. We advance the Amateur Radio Service through:

- ⇒ Education and Training of new and licensed amateurs
- ⇒ Public Service and Emergency communication
- ⇒ Hobby nets, contests and meetings
- ⇒ Social events

Membership is available to anyone interested in amateur radio. A license is not required.

Membership dues are \$16/year; Family member(s) of full members at same address \$21/household; Full Time students and members of two years or more at age 70 or older (Life Members) are dues free. See Club Treasurer about purchase of life membership prior to age 70. If you wish to join during the year, dues are pro-rated.

Membership applications may be found on the Club Website or on request from the Treasurer.

The OSCILLATOR is published Monthly for members. The deadline for the December issue is Tuesday, November 25th.

Happy November Birthday

- 1 Don Stettler KK7TN
- 3 Ardyce Moore AA7SW
- 5 Gerald Davis KJ7OM
- 8 Paul Schaff W7BBG
- 23 Naomi Ballard KD7JZW
- 27 Mary Berg N7TRW
- 28 Linda Sutton KC7YTD

FIRST CLASS MAIL